1. A method for automatic digital audio mixing of at least two digital audio files, comprising:

reading at least two said digital audio files;

determining a scale factor for each of said digital audio files;

applying said scale factor to each of said digital audio files respectively; and

combining each of said digital audio files into a single digital audio output file.

2. The method of claim 1, wherein said method is performed within a server device operatively coupled over a network to a client device.

3. The method of claim 2, further including receiving one of said at least two digital audio files from a user.

4. A method for automatic digital audio mixing of at least two digital audio files, comprising:

reading at least two said digital audio files;

preprocessing at least one of said two digital audio files to generate at least one pre-processed digital audio file;

determining a scale factor for each said pre-processed digital audio file;

applying said scale factor to each said pre-processed digital audio files to produce scaled digital audio files; and

combining said scaled digital audio files into a single digital audio file.

5. The method of claim 4, wherein said method is performed within a server device operatively coupled over a network to a client device.

6. The method of claim 5, further including receiving one of said at least two digital audio files from a user.

7. The method of claim 4, wherein said pre-processing comprises adding reverb to at least one of said digital audio files.

8. The method of claim 4, wherein said pre-processing comprises applying audio compression to at least one of said digital audio files.

9. The method of claim 4, wherein said pre-processing comprises applying stereo imaging to at least one of said digital audio files.

10. The method of claim 4, wherein said pre-processing comprises applying equalization to at least one of said digital audio files.

11. The method of claim 4, wherein said pre-processing comprises applying pitch correction to at least one of said digital audio files.

12. The method of claim 4, wherein at least one of said digital audio files having a compressed format is expanded into a file having an uncompressed format.

13. The method of claim 4, wherein determining said scale factors comprises determining a peak absolute value for each of said digital audio files.

14. The method of claim 13, wherein determining said scale factors further comprises determining a root mean square for each of said digital audio files.

15. The method of claim 14, wherein determination of said scale factors for N number of digital audio files, wherein N represents the number of audio files, β_i represents a known constant value for each said digital audio file, P_i represents a calculated peak absolute value for each said digital audio file, R_i is a calculated root mean square value for each said digital audio file, K is a known constant, S_i represents the calculated scale factor for each said digital audio file and i takes on an integer value from 1 to N, said scale factors being determined by the following equation,

$$\begin{bmatrix} P_1 & P_2 & P_3 & \dots & P_i & \dots & P_N \\ \beta_1 R_1 & -\beta_2 R_2 & 0 & \dots & 0 & \dots & 0 \\ \beta_1 R_1 & 0 & -\beta_3 R_3 & \dots & 0 & \dots & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & 0 & -\beta_i R_i & 0 & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & \dots & 0 & \dots & -\beta_N R_N \end{bmatrix} X \begin{bmatrix} S_1 \\ S_2 \\ S_3 \\ \dots \\ S_i \\ \dots \\ S_N \end{bmatrix} = \begin{bmatrix} K \\ 0 \\ 0 \\ \dots \\ 0 \\ \dots \\ 0 \end{bmatrix}$$

16. A method for automatic digital audio mixing of at least two digital audio files, the method comprising;

reading a first and a second digital audio file;

determining characteristics for each said first and second digital audio files;

modifying each said characteristics of each said first and second digital audio files to generate modified audio file characteristics;

determining a scale factor for each said first and second digital audio file from said modified audio file characteristics;

pre-processing at least one of said first and second digital audio files to generate at least one of a first and second processed digital audio files;

applying said scale factors to each of said first and second pre-processed digital audio files; and

combining said first scaled, processed digital audio file with said second scaled, pre-processed digital audio file into a single resulting digital audio file.

17. The method of claim 16, wherein said pre-processing comprises applying said scale factors to said first and second modified digital audio files respectively.

18. The method of claim 17, wherein said pre-processing further comprises adding reverb to at least one of said digital audio files.

19. The method of claim 17, wherein said pre-processing further comprises applying audio compression to at least one of said digital audio files.

20. The method of claim 17, wherein said pre-processing further comprises applying stereo imaging to at least one of said digital audio files.

21. The method of claim 17, wherein said pre-processing further comprises applying equalization to at least one of said digital audio files.

22. The method of claim 16, wherein at least one of said digital audio files having a compressed format is expanded into a file having an uncompressed format.

23. The method of claim 17, wherein determining said scale factors comprises determining a peak absolute value for each of said digital audio files.

24. The method of claim 23, wherein determining said scale factors further comprises determining a root mean square for each of said digital audio files.

25. The method of claim 24, wherein determination of said scale factors for N number of digital audio files, wherein N represents the number of audio files, β_i represents a known constant value for each said digital audio file, P_i represents a calculated peak absolute value for each said digital audio file, R_i is a calculated root mean square value for each said digital audio file, K is a known constant, S_i represents the calculated scale factor for each said digital audio file and i takes on an integer value from 1 to N, said scale factors being determined by the following equation,

$$\begin{bmatrix} P_1 & P_2 & P_3 & \dots & P_i & \dots & P_N \\ \beta_1 R_1 & -\beta_2 R_2 & 0 & \dots & 0 & \dots & 0 \\ \beta_1 R_1 & 0 & -\beta_3 R_3 & \dots & 0 & \dots & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & 0 & -\beta_i R_i & 0 & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & \dots & 0 & \dots & -\beta_N R_N \end{bmatrix} X \begin{bmatrix} S_1 \\ S_2 \\ S_3 \\ \dots \\ S_i \\ \dots \\ S_N \end{bmatrix} = \begin{bmatrix} K \\ 0 \\ 0 \\ \dots \\ 0 \\ \dots \\ 0 \end{bmatrix}$$

26. A method for automatic digital audio mixing of at least two digital audio files, the method comprising:

reading at least two said digital audio files;

pre-processing at least one of said digital audio files to produce at least one processed digital audio file;

determining a scale factor for each said processed digital audio file and for each said digital audio file, not having been pre-processed;

applying said scale factor to each said processed digital audio file, to produce a scaled processed digital audio file and to each said digital audio file not having been processed to produce a scaled digital audio file; and

combining said scaled processed digital audio files and said scaled digital audio files into a single digital audio file.

27. The method of claim 26, wherein said pre-processing comprises adding reverb to at least one of said digital audio files.

28. The method of claim 26, wherein said pre-processing comprises applying audio compression to at least one of said digital audio files.

29. The method of claim 26, wherein said pre-processing comprises applying stereo imaging to at least one of said digital audio files.

30. The method of claim 26, wherein said pre-processing comprises applying equalization to at least one of said digital audio files.

31. The method of claim 26, wherein said pre-processing comprises applying pitch correction to at least one of said digital audio files.

32. The method of claim 26, wherein at least one of said digital audio files having a compressed format is expanded into a file having an uncompressed format.

33. The method of claim 26, wherein determining said scale factors comprises determining a peak absolute value for each of said digital audio files.

34. The method of claim 33, wherein determining said scale factors further comprises determining a root mean square for each of said digital audio files.

35. The method of claim 34, wherein determination of said scale factors for N number of digital audio files, wherein N represents the number of audio files, β_i represents a known constant value for each said digital audio file, P_i represents a calculated peak absolute value for each said digital audio file, R_i is a calculated root mean square value for each said digital audio file, K is a known constant, S_i represents the calculated scale factor for each said digital audio file and i takes on an integer value from 1 to N, said scale factors being determined by the following equation,

$$\begin{bmatrix} P_1 & P_2 & P_3 & \dots & P_i & \dots & P_N \\ \beta_1 R_1 & -\beta_2 R_2 & 0 & \dots & 0 & \dots & 0 \\ \beta_1 R_1 & 0 & -\beta_3 R_3 & \dots & 0 & \dots & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & 0 & -\beta_i R_i & 0 & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & \dots & 0 & \dots & -\beta_N R_N \end{bmatrix} X \begin{bmatrix} S_1 \\ S_2 \\ S_3 \\ \dots \\ S_i \\ \dots \\ S_N \end{bmatrix} = \begin{bmatrix} K \\ 0 \\ 0 \\ \dots \\ 0 \\ \dots \\ 0 \end{bmatrix}$$

36. An apparatus for automatic digital audio mixing of at least two digital audio files, said apparatus comprising:

a means for reading at least two said digital audio files;

a means for determining a scale factor for each of said digital audio files;

a means for applying said scale factor to each of said digital audio files respectively; and

a means for combining each of said digital audio files into a single digital audio output file.

37. The apparatus of claim 36, wherein said method is performed within a server device operatively coupled over a network to a client device.

38. The method of claim 37, further including receiving one of said at least two digital audio files from a user.

39. An apparatus for automatic digital audio mixing of at least two digital audio files, said apparatus comprising:

a means for reading at least two said digital audio files;

a means for preprocessing at least one of said two digital audio files to generate at least one pre-processed digital audio file;

a means for determining a scale factor for each said pre-processed digital audio file;

a means for applying said scale factor to each said pre-processed digital audio files to produce scaled digital audio files; and

a means for combining said scaled digital audio files into a single digital audio file.

40. The apparatus of claim 39, wherein said method is performed within a server device operatively coupled over a network to a client device.

41. The method of claim 40, further including receiving one of said at least two digital audio files from a user.

42. The apparatus of claim 39, wherein said pre-processing comprises adding reverb to at least one of said digital audio files.

43. The apparatus of claim 39, wherein said pre-processing comprises applying audio compression to at least one of said digital audio files.

44. The apparatus of claim 39, wherein said pre-processing comprises applying stereo imaging to at least one of said digital audio files.

45. The apparatus of claim 39, wherein said pre-processing comprises applying equalization to at least one of said digital audio files.

46. The apparatus of claim 39, wherein said pre-processing comprises applying pitch correction to at least one of said digital audio files.

47. The apparatus of claim 39, wherein at least one of said digital audio files having a compressed format is expanded into a file having an uncompressed format.

48. The apparatus of claim 39, wherein determining said scale factors comprises determining a peak absolute value for each of said digital audio files.

49. The apparatus of claim 48, wherein determining said scale factors further comprises determining a root mean square for each of said digital audio files.

50. The apparatus of claim 49, wherein determination of said scale factors for N number of digital audio files, wherein N represents the number of audio files, β_i represents a known constant value for each said digital audio file, P_i represents a calculated peak absolute value for each said digital audio file, R_i is a calculated

root mean square value for each said digital audio file, K is a known constant, S_i represents the calculated scale factor for each said digital audio file and i takes on an integer value from 1 to N, said scale factors being determined by the following equation,

$$\begin{bmatrix} P_1 & P_2 & P_3 & \dots & P_i & \dots & P_N \\ \beta_1 R_1 & -\beta_2 R_2 & 0 & \dots & 0 & \dots & 0 \\ \beta_1 R_1 & 0 & -\beta_3 R_3 & \dots & 0 & \dots & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & 0 & -\beta_i R_i & 0 & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & \dots & 0 & \dots & -\beta_N R_N \end{bmatrix} X \begin{bmatrix} S_1 \\ S_2 \\ S_3 \\ \dots \\ S_i \\ \dots \\ S_N \end{bmatrix} = \begin{bmatrix} K \\ 0 \\ 0 \\ \dots \\ 0 \\ \dots \\ 0 \end{bmatrix}$$

51. An apparatus for automatic digital audio mixing of at least two digital audio files, the method comprising;

a means for reading a first and a second digital audio file;

a means for determining characteristics for each said first and second digital audio files;

a means for modifying each said characteristics of each said first and second digital audio files to generate modified audio file characteristics;

a means for determining a scale factor for each said first and second digital audio file from said modified audio file characteristics;

a means for pre-processing at least one of said first and second digital audio files to generate at least one of a first and second processed digital audio files;

a means for applying said scale factors to each of said first and second pre-processed digital audio files; and

a means for combining said first scaled, processed digital audio file with said second scaled, pre-processed digital audio file into a single resulting digital audio file.

52. The apparatus of claim 51, wherein said pre-processing comprises applying said scale factors to said first and second modified digital audio files respectively.

53. The apparatus of claim 52, wherein said pre-processing further comprises adding reverb to at least one of said digital audio files.

54. The apparatus of claim 52, wherein said pre-processing further comprises applying audio compression to at least one of said digital audio files.

55. The apparatus of claim 52, wherein said pre-processing further comprises applying stereo imaging to at least one of said digital audio files.

56. The apparatus of claim 52, wherein said pre-processing further comprises applying equalization to at least one of said digital audio files.

57. The apparatus of claim 51, wherein at least one of said digital audio files having a compressed format is expanded into a file having an uncompressed format.

58. The apparatus of claim 52, wherein determining said scale factors comprises determining a peak absolute value for each of said digital audio files.

59. The apparatus of claim 58, wherein determining said scale factors further comprises determining a root mean square for each of said digital audio files.

60. The apparatus of claim 59, wherein determination of said scale factors for N number of digital audio files, wherein N represents the number of audio files, β_i represents a known constant value for each said digital audio file, P_i represents a calculated peak absolute value for each said digital audio file, R_i is a calculated root mean square value for each said digital audio file, K is a known constant, S_i represents the calculated scale factor for each said digital audio file and i takes on an integer value from 1 to N, said scale factors being determined by the following equation,

$$\begin{bmatrix} P_1 & P_2 & P_3 & \dots & P_i & \dots & P_N \\ \beta_1 R_1 & -\beta_2 R_2 & 0 & \dots & 0 & \dots & 0 \\ \beta_1 R_1 & 0 & -\beta_3 R_3 & \dots & 0 & \dots & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & 0 & -\beta_i R_i & 0 & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & \dots & 0 & \dots & -\beta_N R_N \end{bmatrix} X \begin{bmatrix} S_1 \\ S_2 \\ S_3 \\ \dots \\ S_i \\ \dots \\ S_N \end{bmatrix} = \begin{bmatrix} K \\ 0 \\ 0 \\ \dots \\ 0 \\ \dots \\ 0 \end{bmatrix}$$

61. An apparatus for automatic digital audio mixing of at least two digital audio files, the method comprising:

a means for reading at least two said digital audio files;

a means for pre-processing at least one of said digital audio files to produce at least one processed digital audio file;

a means for determining a scale factor for each said processed digital audio file and for each said digital audio file, not having been pre-processed;

a means for applying said scale factor to each said processed digital audio file, to produce a scaled processed digital audio file and to each said digital audio file not having been processed to produce a scaled digital audio file; and

a means for combining said scaled processed digital audio files and said scaled digital audio files into a single digital audio file.

62. The apparatus of claim 61, wherein said pre-processing comprises adding reverb to at least one of said digital audio files.

63. The apparatus of claim 61, wherein said pre-processing comprises applying audio compression to at least one of said digital audio files.

64. The apparatus of claim 61, wherein said pre-processing comprises applying stereo imaging to at least one of said digital audio files.

65. The apparatus of claim 61, wherein said pre-processing comprises applying equalization to at least one of said digital audio files.

66. The apparatus of claim 61, wherein said pre-processing comprises applying pitch correction to at least one of said digital audio files.

67. The apparatus of claim 61, wherein at least one of said digital audio files having a compressed format is expanded into a file having an uncompressed format.

68. The apparatus of claim 61, wherein determining said scale factors comprises determining a peak absolute value for each of said digital audio files.

69. The apparatus of claim 68, wherein determining said scale factors further comprises determining a root mean square for each of said digital audio files.

70. The apparatus of claim 69, wherein determination of said scale factors for N number of digital audio files, wherein N represents the number of audio files, β_i represents a known constant value for each said digital audio file, P_i represents a calculated peak absolute value for each said digital audio file, R_i is a calculated

root mean square value for each said digital audio file, K is a known constant, S_i represents the calculated scale factor for each said digital audio file and i takes on an integer value from 1 to N, said scale factors being determined by the following equation,

$$\begin{bmatrix} P_1 & P_2 & P_3 & \dots & P_i & \dots & P_N \\ \beta_1 R_1 & -\beta_2 R_2 & 0 & \dots & 0 & \dots & 0 \\ \beta_1 R_1 & 0 & -\beta_3 R_3 & \dots & 0 & \dots & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & 0 & -\beta_i R_i & 0 & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & \dots & 0 & \dots & -\beta_N R_N \end{bmatrix} X \begin{bmatrix} S_1 \\ S_2 \\ S_3 \\ \dots \\ S_i \\ \dots \\ S_N \end{bmatrix} = \begin{bmatrix} K \\ 0 \\ 0 \\ \dots \\ 0 \\ \dots \\ 0 \end{bmatrix}$$

71. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method for automatic digital audio mixing of at least two digital audio files, said method comprising:

reading at least two said digital audio files;

determining a scale factor for each of said digital audio files;

applying said scale factor to each of said digital audio files respectively; and

combining each of said digital audio files into a single digital audio output file.

72. The method of claim 71, wherein said method is performed within a server device operatively coupled over a network to a client device.

73. The method of claim 72, further including receiving one of said at least two digital audio files from a user.

74. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method for automatic digital audio mixing of at least two digital audio files, comprising:

reading at least two said digital audio files;

preprocessing at least one of said two digital audio files to generate at least one pre-processed digital audio file;

determining a scale factor for each said pre-processed digital audio file;

applying said scale factor to each said pre-processed digital audio files to produce scaled digital audio files; and

combining said scaled digital audio files into a single digital audio file.

75. The method of claim 74, wherein said method is performed within a server device operatively coupled over a network to a client device.

76. The method of claim 75, further including receiving one of said at least two digital audio files from a user.

77. The method of claim 74, wherein said pre-processing comprises adding reverb to at least one of said digital audio files.

78. The method of claim 74, wherein said pre-processing comprises applying audio compression to at least one of said digital audio files.

79. The method of claim 74, wherein said pre-processing comprises applying stereo imaging to at least one of said digital audio files.

80. The method of claim 74, wherein said pre-processing comprises applying equalization to at least one of said digital audio files.

81. The method of claim 74, wherein said pre-processing comprises applying pitch correction to at least one of said digital audio files.

82. The method of claim 74, wherein at least one of said digital audio files having a compressed format is expanded into a file having an uncompressed format.

83. The method of claim 74, wherein determining said scale factors comprises determining a peak absolute value for each of said digital audio files.

84. The method of claim 83, wherein determining said scale factors further comprises determining a root mean square for each of said digital audio files.

85. The method of claim 84, wherein determination of said scale factors for N number of digital audio files, wherein N represents the number of audio files, β_i represents a known constant value for each said digital audio file, P_i represents a calculated peak absolute value for each said digital audio file, R_i is a calculated root mean square value for each said digital audio file, K is a known constant, S_i represents the calculated scale factor for each said digital audio file and i takes on an integer value from 1 to N, said scale factors being determined by the following equation,

$$\begin{bmatrix} P_1 & P_2 & P_3 & \dots & P_i & \dots & P_N \\ \beta_1 R_1 & -\beta_2 R_2 & 0 & \dots & 0 & \dots & 0 \\ \beta_1 R_1 & 0 & -\beta_3 R_3 & \dots & 0 & \dots & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & 0 & -\beta_i R_i & 0 & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & \dots & 0 & \dots & -\beta_N R_N \end{bmatrix} X \begin{bmatrix} S_1 \\ S_2 \\ S_3 \\ \dots \\ S_i \\ \dots \\ S_N \end{bmatrix} = \begin{bmatrix} K \\ 0 \\ 0 \\ \dots \\ 0 \\ \dots \\ 0 \end{bmatrix}$$

86. A program storage device readable by a machine, tangibly embodying a program

of instructions executable by the machine to perform a method for automatic digital audio mixing of at least two digital audio files, the method comprising;

reading a first and a second digital audio file;

determining characteristics for each said first and second digital audio files;

modifying each said characteristics of each said first and second digital audio files to generate modified audio file characteristics;

determining a scale factor for each said first and second digital audio file from said modified audio file characteristics;

pre-processing at least one of said first and second digital audio files to generate at least one of a first and second processed digital audio files;

applying said scale factors to each of said first and second pre-processed digital audio files; and

combining said first scaled, processed digital audio file with said second scaled, pre-processed digital audio file into a single resulting digital audio file.

87. The method of claim 86, wherein said pre-processing comprises applying said scale factors to said first and second modified digital audio files respectively.

88. The method of claim 87, wherein said pre-processing further comprises adding reverb to at least one of said digital audio files.

89. The method of claim 87, wherein said pre-processing further comprises applying audio compression to at least one of said digital audio files.

90. The method of claim 87, wherein said pre-processing further comprises applying stereo imaging to at least one of said digital audio files.

91. The method of claim 87, wherein said pre-processing further comprises applying equalization to at least one of said digital audio files.

92. The method of claim 86, wherein at least one of said digital audio files having a compressed format is expanded into a file having an uncompressed format.

93. The method of claim 87, wherein determining said scale factors comprises determining a peak absolute value for each of said digital audio files.

94. The method of claim 93, wherein determining said scale factors further comprises determining a root mean square for each of said digital audio files.

95. The method of claim 94, wherein determination of said scale factors for N number of digital audio files, wherein N represents the number of audio files, β_i represents a known constant value for each said digital audio file, P_i represents a calculated peak absolute value for each said digital audio file, R_i is a calculated root mean square value for each said digital audio file, K is a known constant, S_i

represents the calculated scale factor for each said digital audio file and *i* takes on an integer value from *1* to *N*, said scale factors being determined by the following equation,

$$\begin{bmatrix} P_1 & P_2 & P_3 & \dots & P_i & \dots & P_N \\ \beta_1 R_1 & -\beta_2 R_2 & 0 & \dots & 0 & \dots & 0 \\ \beta_1 R_1 & 0 & -\beta_3 R_3 & \dots & 0 & \dots & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & 0 & -\beta_i R_i & 0 & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & \dots & 0 & \dots & -\beta_N R_N \end{bmatrix} X \begin{bmatrix} S_1 \\ S_2 \\ S_3 \\ \dots \\ S_i \\ \dots \\ S_N \end{bmatrix} = \begin{bmatrix} K \\ 0 \\ 0 \\ \dots \\ 0 \\ \dots \\ 0 \end{bmatrix}$$

96. A program storage device readable by a machine, tangibly embodying a programof instructions executable by the machine to perform a method for automatic digital audio mixing of at least two digital audio files, the method comprising:

reading at least two said digital audio files;

pre-processing at least one of said digital audio files to produce at least one processed digital audio file;

determining a scale factor for each said processed digital audio file and for each said digital audio file, not having been pre-processed;

applying said scale factor to each said processed digital audio file, to produce a scaled processed digital audio file and to each said digital audio file not having been processed to produce a scaled digital audio file; and

combining said scaled processed digital audio files and said scaled digital audio files into a single digital audio file.

97. The method of claim 96, wherein said pre-processing comprises adding reverb to at least one of said digital audio files.

98. The method of claim 96, wherein said pre-processing comprises applying audio compression to at least one of said digital audio files.

99. The method of claim 96, wherein said pre-processing comprises applying stereo imaging to at least one of said digital audio files.

100. The method of claim 96, wherein said pre-processing comprises applying equalization to at least one of said digital audio files.

101. The method of claim 96, wherein said pre-processing comprises applying pitch correction to at least one of said digital audio files.

102. The method of claim 96, wherein at least one of said digital audio files having a compressed format is expanded into a file having an uncompressed format.

103. The method of claim 96, wherein determining said scale factors comprises determining a peak absolute value for each of said digital audio files.

104. The method of claim 103, wherein determining said scale factors further comprises determining a root mean square for each of said digital audio files.

105. The method of claim 104, wherein determination of said scale factors for N number of digital audio files, wherein N represents the number of audio files, β_i represents a known constant value for each said digital audio file, P_i represents a calculated peak absolute value for each said digital audio file, R_i is a calculated root mean square value for each said digital audio file, K is a known constant, S_i represents the calculated scale factor for each said digital audio file and i takes on an integer value from 1 to N, said scale factors being determined by the following equation,

$$\begin{bmatrix} P_1 & P_2 & P_3 & \dots & P_i & \dots & P_N \\ \beta_1 R_1 & -\beta_2 R_2 & 0 & \dots & 0 & \dots & 0 \\ \beta_1 R_1 & 0 & -\beta_3 R_3 & \dots & 0 & \dots & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & 0 & -\beta_i R_i & 0 & 0 \\ \dots & \dots & \dots & \dots & 0 & \dots & \dots \\ \beta_1 R_1 & 0 & 0 & \dots & 0 & \dots & -\beta_N R_N \end{bmatrix} X \begin{bmatrix} S_1 \\ S_2 \\ S_3 \\ \dots \\ S_i \\ \dots \\ S_N \end{bmatrix} = \begin{bmatrix} K \\ 0 \\ 0 \\ \dots \\ 0 \\ \dots \\ 0 \end{bmatrix}$$